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Claims :-

1. An electric motor arranged for passing therethrough a supply of fluid for lubricating and/or cooling said motor, the motor being provided with heating means for heating the fluid when the fluid enters the motor.
2. An electric motor as claimed in claim 1 arranged such that the fluid flows through an annular gap between a rotor and a stator of the motor.
3. An electric motor as claimed in claim 2 including an isolator for isolating stator windings of said stator from the fluid.
4. An electric motor as claimed in claim 1 including a temperature sensing arrangement in association with the heating means.
5. An electric motor as claimed in claim 4 wherein the heating means is arranged, in use, to raise the temperature of the fluid above -50°C .
6. An electric motor as claimed in claim 5 wherein the heating means is arranged, in use, to raise the temperature of the fluid to a value no less than -40°C .
7. An electric motor as claimed in claim 1 wherein the heating means is arranged such that it is not in contact with the fluid.
8. An electric motor as claimed in claim 1 wherein the heating means comprises an annular heating element.

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9. An electric motor as claimed in claim 1 wherein the heating element is mounted close to or adjacent to a region of the motor at which the fluid enters the motor

10. An electric motor as claimed in claim 1 wherein the heating element is spring urged into contact with the motor structure.

11. An electro-hydraulic actuator comprising a motor as claimed in claim 1 and an hydraulic pump, said fluid being hydraulic fluid supplied by said hydraulic pump.